

LAB CHRONICLE

OrderID:	Q1782	OrderDate:	4/10/2025 1:22:00 PM
Client:	Lockwood, Kessler & Bartlett, Inc.	Project:	Ansonia Landfill 2025
Contact:	John Gerlach	Location:	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1782-01	MW-1	WATER			04/09/25 10:15			04/10/25
			Alkalinity	SM2320 B			04/16/25 10:26	
			Ammonia	SM4500-NH3		04/17/25	04/18/25 09:40	
			Anions Group1	300.0			04/11/25 09:35	
			BOD5	SM5210 B			04/11/25 10:00	
			pH	9040C			04/11/25 10:30	
			TDS	SM2540 C			04/11/25 12:30	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		04/17/25	04/18/25 13:31	
			Total Nitrogen	Cal			04/18/25 13:31	
			TSS	SM2540 D			04/15/25 10:30	
			Turbidity	SM2130 B			04/11/25 10:07	
Q1782-01DL	MW-1DL	WATER			04/09/25 10:15			04/10/25
			Anions Group1	300.0			04/11/25 12:28	
Q1782-01DL 2	MW-1DL2	WATER			04/09/25 10:15			04/10/25

LAB CHRONICLE

Q1782-03	MW-2	WATER	Anions Group1	300.0	04/09/25 13:10	04/17/25	04/11/25 14:37	04/10/25						
			Alkalinity	SM2320 B			04/16/25 10:35							
			Ammonia	SM4500-NH3			04/18/25 09:51							
			Anions Group1	300.0			04/11/25 09:57							
			BOD5	SM5210 B			04/11/25 10:00							
			pH	9040C			04/11/25 10:35							
			TDS	SM2540 C			04/11/25 12:30							
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11			04/17/25 04/18/25 13:32							
			Total Nitrogen	Cal			04/18/25 13:32							
			TSS	SM2540 D			04/15/25 10:30							
			Turbidity	SM2130 B			04/11/25 10:14							
			Q1782-03DL	MW-2DL			WATER				04/09/25 13:10	04/17/25	04/18/25 11:06	04/10/25
													Anions Group1	
Q1782-05	MW-3	WATER			04/09/25 11:30	04/17/25	04/16/25 10:41	04/10/25						
							Alkalinity		SM2320 B	04/18/25 09:51				
							Ammonia		SM4500-NH3					

LAB CHRONICLE

Q1782-05DL	MW-3DL	WATER	Anions Group1	300.0		04/11/25	
						10:18	
			BOD5	SM5210 B		04/11/25	
						10:00	
			pH	9040C		04/11/25	
						10:40	
			TDS	SM2540 C		04/11/25	
						12:30	
			TKN	SM4500-N	04/17/25	04/18/25	
				Org C-11 plus NH3 B plus G-11		13:32	
Q1782-07	MW-4	WATER	Total Nitrogen	Cal		04/18/25	
						13:32	
			TSS	SM2540 D		04/15/25	
						10:30	
			Turbidity	SM2130 B		04/11/25	
						10:18	
					04/09/25 11:30		04/10/25
			Anions Group1	300.0		04/11/25	
						15:20	
					04/09/25 12:10		04/10/25
			Alkalinity	SM2320 B		04/16/25	
						10:44	
			Ammonia	SM4500-NH3	04/17/25	04/18/25	
						09:51	
			Anions Group1	300.0		04/11/25	
						10:40	
			BOD5	SM5210 B		04/11/25	
						10:00	
			pH	9040C		04/11/25	
						10:45	
			TDS	SM2540 C		04/11/25	
						12:30	

LAB CHRONICLE

TKN	SM4500-N	04/17/25	04/18/25
	Org C-11 plus		13:42
	NH3 B plus		
	G-11		
Total Nitrogen	Cal		04/18/25
			13:42
TSS	SM2540 D		04/15/25
			10:30
Turbidity	SM2130 B		04/11/25
			10:21

Q1782-07DL	MW-4DL	WATER		04/09/25	04/10/25
				12:10	

Anions Group1	300.0	04/11/25
		15:41

Q1782-07DL	MW-4DL2	WATER		04/09/25	04/10/25
2				12:10	

Anions Group1	300.0	04/11/25
		16:03



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 10:15
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1	SDG No.:	Q1782
Lab Sample ID:	Q1782-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	76.6		1	1.00	2.00	mg/L		04/16/25 10:26	SM 2320 B-11
Ammonia as N	0.030	U	1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:40	SM 4500-NH3 B plus G-11
Chloride	115	OR	1	0.19	0.60	mg/L		04/11/25 09:35	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 09:35	300.0
Nitrate	2.10		1	0.095	0.50	mg/L		04/11/25 09:35	300.0
Sulfate	40.7	OR	1	0.46	3.00	mg/L		04/11/25 09:35	300.0
Nitrate+Nitrite	2.10		1	0.17	1.10	mg/L		04/11/25 09:35	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	5.95	H	1	0	0	pH		04/11/25 10:30	9040C
TDS	331		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	0.42	J	1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:31	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	2.52		1	0.31	1.30	mg/L		04/18/25 13:31	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	0.79	J	1	0.15	1.00	NTU		04/11/25 10:07	SM 2130 B-11

Comments: The alkalinity to pH 4.32=76.6 mg CaCO3/L, pH result reported at temperature 20.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 10:15
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	104	OR	2	0.38	1.20	mg/L		04/11/25 12:28	300.0
Sulfate	55.5	D	2	0.92	6.00	mg/L		04/11/25 12:28	300.0

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 10:15
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-1DL2	SDG No.:	Q1782
Lab Sample ID:	Q1782-01DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	83.4	D	50	9.50	30.0	mg/L		04/11/25 14:37	300.0

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 13:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2	SDG No.:	Q1782
Lab Sample ID:	Q1782-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	387		1	1.00	2.00	mg/L		04/16/25 10:35	SM 2320 B-11
Ammonia as N	3.50	OR	1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:51	SM 4500-NH3 B plus G-11
Chloride	332	OR	1	0.19	0.60	mg/L		04/11/25 09:57	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 09:57	300.0
Nitrate	2.70		1	0.095	0.50	mg/L		04/11/25 09:57	300.0
Sulfate	16.6		1	0.46	3.00	mg/L		04/11/25 09:57	300.0
Nitrate+Nitrite	2.70		1	0.17	1.10	mg/L		04/11/25 09:57	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	6.82	H	1	0	0	pH		04/11/25 10:35	9040C
TDS	812		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	4.10		1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:32	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	6.80		1	0.31	1.30	mg/L		04/18/25 13:32	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	1.51		1	0.15	1.00	NTU		04/11/25 10:14	SM 2130 B-11

Comments: The alkalinity to pH 4.31=387 mg CaCO3/L, pH result reported at temperature 20.2 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 13:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-2DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	3.40	D	2	0.060	0.20	mg/L	04/17/25 14:00	04/18/25 11:06	SM 4500-NH3 B plus G-11
Chloride	220	D	100	19.0	60.0	mg/L		04/11/25 14:58	300.0

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 11:30
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3	SDG No.:	Q1782
Lab Sample ID:	Q1782-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	144		1	1.00	2.00	mg/L		04/16/25 10:41	SM 2320 B-11
Ammonia as N	0.45		1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:51	SM 4500-NH3 B plus G-11
Chloride	613	OR	1	0.19	0.60	mg/L		04/11/25 10:18	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 10:18	300.0
Nitrate	6.00		1	0.095	0.50	mg/L		04/11/25 10:18	300.0
Sulfate	17.2		1	0.46	3.00	mg/L		04/11/25 10:18	300.0
Nitrate+Nitrite	6.00		1	0.17	1.10	mg/L		04/11/25 10:18	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	6.71	H	1	0	0	pH		04/11/25 10:40	9040C
TDS	954		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	0.71		1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:32	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	6.71		1	0.31	1.30	mg/L		04/18/25 13:32	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	0.48	J	1	0.15	1.00	NTU		04/11/25 10:18	SM 2130 B-11

Comments: The alkalinity to pH 4.34=144 mg CaCO3/L, pH result reported at temperature 20.3 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 11:30
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-3DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	391	D	100	19.0	60.0	mg/L		04/11/25 15:20	300.0

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 12:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4	SDG No.:	Q1782
Lab Sample ID:	Q1782-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	142		1	1.00	2.00	mg/L		04/16/25 10:44	SM 2320 B-11
Ammonia as N	0.45		1	0.030	0.10	mg/L	04/17/25 14:00	04/18/25 09:51	SM 4500-NH3 B plus G-11
Chloride	616	OR	1	0.19	0.60	mg/L		04/11/25 10:40	300.0
Nitrite	0.074	U	1	0.074	0.60	mg/L		04/11/25 10:40	300.0
Nitrate	6.30	OR	1	0.095	0.50	mg/L		04/11/25 10:40	300.0
Sulfate	17.2		1	0.46	3.00	mg/L		04/11/25 10:40	300.0
Nitrate+Nitrite	5.80		1	0.26	1.60	mg/L		04/11/25 10:40	300.0
BOD5	0.20	U	1	0.20	2.00	mg/L		04/11/25 10:00	SM 5210 B-16
pH	6.68	H	1	0	0	pH		04/11/25 10:45	9040C
TDS	956		1	1.00	10.0	mg/L		04/11/25 12:30	SM 2540 C-15
TKN	1.00		1	0.11	0.50	mg/L	04/17/25 08:50	04/18/25 13:42	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	6.80		1	0.31	1.30	mg/L		04/18/25 13:42	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	1.00	U	1	1.00	4.00	mg/L		04/15/25 10:30	SM 2540 D-15
Turbidity	0.45	J	1	0.15	1.00	NTU		04/11/25 10:21	SM 2130 B-11

Comments: The alkalinity to pH 4.35=142 mg CaCO3/L, pH result reported at temperature 20.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 12:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4DL	SDG No.:	Q1782
Lab Sample ID:	Q1782-07DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	585	OR	2	0.38	1.20	mg/L		04/11/25 15:41	300.0
Nitrate	5.80	HD	2	0.19	1.00	mg/L		04/11/25 15:41	300.0

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	04/09/25 12:10
Project:	Ansonia Landfill 2025	Date Received:	04/10/25
Client Sample ID:	MW-4DL2	SDG No.:	Q1782
Lab Sample ID:	Q1782-07DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	388	D	100	19.0	60.0	mg/L		04/11/25 16:03	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135389

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.4	10	104	90-110	03/21/2025
Chloride	mg/L	3	3	100	90-110	03/21/2025
Fluoride	mg/L	2	2	100	90-110	03/21/2025
Nitrite	mg/L	3.1	3	103	90-110	03/21/2025
Nitrate	mg/L	2.6	2.5	104	90-110	03/21/2025
Sulfate	mg/L	15.3	15	102	90-110	03/21/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	03/21/2025
Sample ID: CCV1						
Bromide	mg/L	10.8	10	108	90-110	04/11/2025
Chloride	mg/L	3.2	3	107	90-110	04/11/2025
Fluoride	mg/L	2.1	2	105	90-110	04/11/2025
Nitrite	mg/L	3.2	3	107	90-110	04/11/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/11/2025
Sulfate	mg/L	15.7	15	105	90-110	04/11/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	04/11/2025
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	04/11/2025
Chloride	mg/L	3.2	3	107	90-110	04/11/2025
Fluoride	mg/L	2.1	2	105	90-110	04/11/2025
Nitrite	mg/L	3.1	3	103	90-110	04/11/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/11/2025
Sulfate	mg/L	15.4	15	103	90-110	04/11/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	04/11/2025
Sample ID: CCV3						
Bromide	mg/L	10.6	10	106	90-110	04/11/2025
Chloride	mg/L	3.2	3	107	90-110	04/11/2025
Fluoride	mg/L	2.1	2	105	90-110	04/11/2025
Nitrite	mg/L	3.2	3	107	90-110	04/11/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/11/2025
Sulfate	mg/L	15.4	15	103	90-110	04/11/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	04/11/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135391

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.01	7	100	90-110	04/11/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	04/11/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	04/11/2025
Sample ID: CCV3 pH	pH	2.01	2.00	101	90-110	04/11/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135393

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Turbidity	ICV	NTU	9.364	10	94	90-110	04/11/2025
Sample ID: Turbidity	CCV1	NTU	9.772	10	98	90-110	04/11/2025
Sample ID: Turbidity	CCV2	NTU	9.884	10	99	90-110	04/11/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135482

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.98	1	98	90-110	04/18/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.96	1	96	90-110	04/18/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.95	1	95	90-110	04/18/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	04/18/2025
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	04/18/2025

Initial and Continuing Calibration Verification

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135490

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TKN	mg/L	4.9	5	98	90-110	04/18/2025
Sample ID: CCV1 TKN	mg/L	5	5	100	90-110	04/18/2025
Sample ID: CCV2 TKN	mg/L	4.8	5	96	90-110	04/18/2025
Sample ID: CCV3 TKN	mg/L	5.2	5	104	90-110	04/18/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135389

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	03/21/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	03/21/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	03/21/2025
Nitrite	mg/L	0.08	0.3000	J	0.074	0.6	03/21/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	03/21/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	03/21/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	03/21/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135393

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Turbidity	NTU	0.373	0.5000	J	0.15	1.0	04/11/2025
Sample ID: CCB1 Turbidity	NTU	0.390	0.5000	J	0.15	1	04/11/2025
Sample ID: CCB2 Turbidity	NTU	0.376	0.5000	J	0.15	1	04/11/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135482

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/18/2025

Initial and Continuing Calibration Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

RunNo.: LB135490

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID: CCB1 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID: CCB2 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID: CCB3 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025

Preparation Blank Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135377BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	04/11/2025
Sample ID: LB135389BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/11/2025
Sample ID: LB135390BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	04/11/2025
Sample ID: LB135393BL							
Turbidity	NTU	0.446	0.5000	J	0.15	1.0	04/11/2025
Sample ID: LB135430BL							
TSS	mg/L	1	2.0000	J	1	4	04/15/2025
Sample ID: LB135460BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	04/16/2025
Sample ID: PB167617BL							
TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	04/18/2025
Sample ID: PB167618BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	04/18/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-01
Client ID:	MW-1MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	0.97		0.030	U	1	1	97		04/18/2025
TKN	mg/L	75-125	5.40		0.42	J	5	1	100		04/18/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-01
Client ID:	MW-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	0.96		0.030	U	1	1	96		04/18/2025
TKN	mg/L	75-125	5.30		0.42	J	5	1	98		04/18/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-07
Client ID:	MW-4MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.37	U	10	1	103		04/11/2025
Chloride	mg/L	80-120	587	OR	616	OR	3	1	-967	*	04/11/2025
Fluoride	mg/L	80-120	2.20		0.17	J	2	1	102		04/11/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		04/11/2025
Nitrate	mg/L	80-120	8.80	OR	6.30	OR	2.5	1	100		04/11/2025
Sulfate	mg/L	80-120	31.6		17.2		15	1	96		04/11/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		04/11/2025

Matrix Spike Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-07
Client ID:	MW-4MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.0		0.37	U	10	1	100		04/11/2025
Chloride	mg/L	80-120	589	OR	616	OR	3	1	-900	*	04/11/2025
Fluoride	mg/L	80-120	2.10		0.17	J	2	1	97		04/11/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		04/11/2025
Nitrate	mg/L	80-120	8.70	OR	6.30	OR	2.5	1	96		04/11/2025
Sulfate	mg/L	80-120	31.2		17.2		15	1	93		04/11/2025
Orthophosphate as P	mg/L	80-120	5.10		0.34	U	5	1	102		04/11/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1763-02
Client ID:	AUD-25-0047DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	5.66		5.67		1	0.18		04/11/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1765-02
Client ID:	TOWERS-2DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TDS	mg/L	+/-5	3400		3420		1	0.47		04/11/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-01
Client ID:	MW-1DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Turbidity	NTU	+/-20	0.79	J	0.87	J	1	9.42		04/11/2025
Alkalinity	mg/L	+/-20	76.6		75.3		1	2		04/16/2025
Ammonia as N	mg/L	+/-20	0.030	U	0.030	U	1	0		04/18/2025
TKN	mg/L	+/-20	0.42	J	0.40	J	1	5		04/18/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-01
Client ID:	MW-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.97		0.96		1	1		04/18/2025
TKN	mg/L	+/-20	5.40		5.30		1	2		04/18/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-07
Client ID:	MW-4DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
BOD5	mg/L	+/-20	0.20	U	0.20	U	1	0		04/11/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1782-07
Client ID:	MW-4MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Chloride	mg/L	+/-20	587	OR	589	OR	1	0		04/11/2025
Sulfate	mg/L	+/-20	31.6		31.2		1	1		04/11/2025
Nitrate	mg/L	+/-20	8.80	OR	8.70	OR	1	1		04/11/2025
Orthophosphate as P	mg/L	+/-20	5.20		5.10		1	2		04/11/2025
Bromide	mg/L	+/-20	10.3		10.0		1	3		04/11/2025
Nitrite	mg/L	+/-20	3.00		2.90		1	3		04/11/2025
Fluoride	mg/L	+/-20	2.20		2.10		1	5		04/11/2025

Duplicate Sample Summary

Client:	Lockwood, Kessler & Bartlett, Inc.	SDG No.:	Q1782
Project:	Ansonia Landfill 2025	Sample ID:	Q1804-02
Client ID:	002-35TH-AVE(APR)DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	66.0		67.0		1	1.5		04/15/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135377

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135377BS							
TDS	mg/L	100	95.0		95	1	90-110	04/11/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135389

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135389BSW							
Bromide	mg/L	10	10.5		105	1	90-110	04/11/2025
Chloride	mg/L	3	3.20		107	1	90-110	04/11/2025
Fluoride	mg/L	2	2.10		105	1	90-110	04/11/2025
Nitrite	mg/L	3	3.10		103	1	90-110	04/11/2025
Nitrate	mg/L	2.5	2.70		108	1	90-110	04/11/2025
Sulfate	mg/L	15	15.3		102	1	90-110	04/11/2025
Orthophosphate as P	mg/L	5	5.30		106	1	90-110	04/11/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135390

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135390BS							
BOD5	mg/L	198	197		99	1	84.6-115.4	04/11/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135430

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135430BS							
TSS	mg/L	550	533		97	1	90-110	04/15/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135460

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135460BSW							
Alkalinity	mg/L	50	55.2		110	1	80-120	04/16/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135490

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167617BS							
TKN	mg/L	5	4.80		96	1	90-110	04/18/2025

Laboratory Control Sample Summary

Client: Lockwood, Kessler & Bartlett, Inc.

SDG No.: Q1782

Project: Ansonia Landfill 2025

Run No.: LB135482

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167618BS							
Ammonia as N	mg/L	1	0.95		95	1	90-110	04/18/2025